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FORM PTO 948 (REV. 11-97) U.S. DEPARTMENT OF COMMERCE-	Patent and Trademark Office Application No. 9109 319	
NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW The drawing/filled (insert date) A		
1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:	7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)	
Black ink. Color.	Hatching not indicated for sectional portions of an object.	
Color drawing are not acceptable until petition is granted.	Fig.(s)	
Fig.(s) Pencil and non black ink is not permitted. Fig(s)	Sectional designation should be noted with Arabic or	
2. PHOTOGRAPHS. 37 CFR 1.84(b)	Roman numbers. Fig.(s)	
Photographs are not acceptable until petition is granted,	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)	
3 full-tone sets are required. Fig(s)		
Photographs not properly mounted (must brystol board or	page is either upright or turned, so that the top becomes the right	
photographic double-weight paper). Fig(s)	side, except for graphs. Fig.(s) Views not on the same plane on drawing sheet. Fig.(s)	
Poor quailty (half-tone). Fig(s)		
3. TYPE OF PAPER. 37 CFR 1.84(e)	9. SCALE. 37 CFR 1.84(k)	
Paper not flexible, strong, white and durable.	Scale not large enough to show mechansim without crowding when drawing is reduced in size to two-thirds in reproduction.	
Fig.(s)	Page 19 19 Fig. (s) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Liasures, ancradons, over writings, interinications,	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37.CFR-1.84(I)	
folds, copy machine marks not acceptable. (too thin)	Lines, numbers & letters not uniformly thick and well defined.	
Mylar, vellum paper is not acceptable (too thin).	clean, durable and black (poor line quality).	
Fig(s)	Fig.(s)	
4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:	11. SHADING. 37 CFR 1.84(m)	
21.0 cm by 29.7 cm (DIN size A4)	Solid black areas pale. Fig.(s)	
21.6 cm by 27.9 cm (8 1/2 x 11 inches)	Solid black shading not permitted: Fig.(s)	
All drawings sheets not the same size.	Shade lines, pale, rough and blurred. Fig.(s)	
Sheet(s)	12 NUMBERS, LETTERS, & REFERENCE CHARACTERS.	
5. MARGINS. 37 CFR 18.4(g): Acceptable margins:	37 CFR 1.48(p)	
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size	Numbers and reference characters not plain and legible.	
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Fig.(s)	
SIZE: 8 1/2 x 11	Figure legends are poor. Fig.(s)	
	Numbers and reference characters not oriented in the same	

Color drawing are not acceptable until petition is granted.	Fig.(s)
Fig.(s)	Sectional designation should be noted with Arabic or
Pencil and non black ink is not permitted. Fig(s)	Roman numbers. Fig.(s)
2. PHOTOGRAPHS. 37 CFR 1.84(b)	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
Photographs are not acceptable until petition is granted,	Words do not appear on a horizontal, left-to-right fashion when
3 full-tone sets are required. Fig(s)	page is either upright or turned, so that the top becomes the right
Photographs not properly mounted (must brystol board or	side, except for graphs. Fig.(s)
photographic double-weight paper). Fig(s)	Views not on the same plane on drawing sheet. Fig.(s)
Poor quailty (half-tone). Fig(s)	9. SCALE. 37 CFR 1.84(k)
3. TYPE OF PAPER. 37 CFR 1.84(e)	Scale not large enough to show mechansim without crowding
Paper not flexible, strong, white and durable.	when drawing is reduced in size to two-thirds in reproduction.
Fig.(s)	man program Fig.(s)
Erasúres, alterations, overwritings, interlineations, folds, copy machine marks not acceptable. (too thin)	10. CHARACTER OF LINES, NUMBERS, & LETTERS 37 CFR-1.84(I):
Mylar, vellum paper is not acceptable (too thin).	Lines, numbers & letters not uniformly thick and well defined,
Fig(s)	clean, durable and black (poor line quality).
4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:	Fig.(s)
	11. SHADING. 37 CFR 1.84(m)
21.0 cm by 29.7 cm (DIN size A4)	Solid black areas pale. Fig.(s)
21.6 cm by 27.9 cm (8 1/2 x 11 inches)	Solid black shading not permitted: Fig.(s)
All drawings sheets not the same size.	
Sheet(s)	12. NUMBERS, LETTERS, & REFERENCE, CHARACTERS.
5. MARGINS. 37 CFR 18.4(g): Acceptable margins:	37 CFR 1.48(p)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size	Numbers and reference characters not plain and legible.
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Figure legends are poor. Fig.(s)
SIZE: 8 1/2 x 11	Numbers and reference characters not oriented in the same
Margins not acceptable. Fig(s) Top (T) Left (L)	direction as the view. 37 CFR 1.84(p)(3) Fig.(s)
• • • • • • • • • • • • • • • • • • • •	Engligh alphabet not used. 37 CFR 1.84(p)(3) Fig.(s)
Right (R) Bottom (B)	Numbers, letters and reference characters must be at least
VIEWS. CFR 1.84(h) REMINDER: Specification may require revision to	.32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s)
correspond to drawing changes.	13. LEAD LINES. 37 CFR 1.84(q)
Views connected by projection lines or lead lines.	Lead lines cross each other. Fig.(s)
Fig.(s)	Lead lines missing. Fig.(s)
Partial views. 37 CFR 1.84(h)(2)	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)
Brackets needed to show figure as one entity.	Sheets not numbered consecutively, and in Ababic numerals
Fig.(s)	beginning with number 1. Fig.(s)
Views not labeled separately or properly.	0 0
Fig.(s)	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Enlarged view not labeled separately or properly.	Views not numbered consecutively, and in Abrabic numerals,
Fig.(s)	beginning with number 1. Fig.(s)
118.(3)	16. CORRECTIONS. 37 CFR 1.84(w)
	Corrections not made from PTO-948 dated
	17. DESIGN DRAWINGS. 37 CFR 1.152
	Surface shading shown not appropriate. Fig.(s)
	Solid black shading not used for color contrast.
	Fig.(s)
COMMENTS	
COMMENTS	
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REVIEWER

ATTACHMENT TO PAPER NO.

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